

IPINBENT
95.98
+ 39

LOT 17
TAX MAP 15 LOT 32-17
N/F JANE S. ALLISON TRUST-1998

GCS

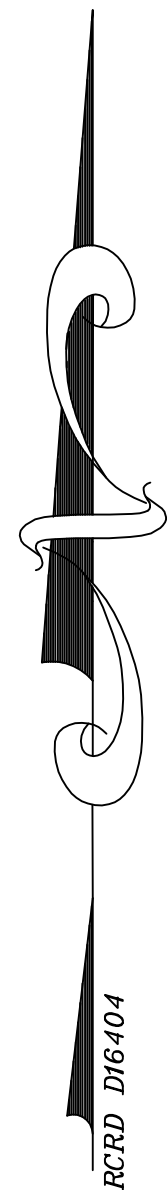
ROAD

LOT 18
2.00 ACRES±
TAX MAP 15 LOT 32-18

LOT 19

TAX MAP 15 LOT 32-19
N/F ROBERT & BARBARA MARIANI

No.	Delta	Radius	Arc Length	Chord Length	Chord Bearing
C1	32°25'12"	333.74	188.84	186.33	S15°58'42"E



Command= 210-

Point#, Start#-End# or G#= 1-127

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
-----01-06-2024-----17:14:42-----D:...\BMHOME2							
	96.84		SETHUB	1	5067.6885	4829.8132	
	101.18		SETHUB	2	5153.8281	4962.3862	TRA
	97.32		TOPTANK	3	5089.5381	4843.4767	SS
	97.62		CORBLDG	4	5078.4656	4849.3818	SS
	96.16		CORDECK	5	5051.5672	4848.3017	SS
	99.64		DECKEL**	6	5047.8260	4862.1854	SS
	94.35		CORDECK	7	5029.6915	4857.5268	SS
	94.05		CORHSE	8	5014.4604	4865.6898	SS
	93.68		CORHSE	9	5001.1743	4871.4096	SS
	91.04		TSWLL<	10	4971.3460	4874.8750	SS
	91.28		TSWLL**	11	4979.0347	4851.7186	SS
	91.63		TSWLL**	12	4990.5633	4839.1635	SS
	92.19		TSWLL	13	5003.5689	4830.9666	SS
	92.36		18OAK**	14	5015.4544	4817.9246	SS
	94.09		18OAK	15	5035.9440	4824.6607	SS
	93.20		GND	16	5023.9390	4841.2114	SS
	94.84		PIT#1	17	5044.2822	4835.1632	SS
	91.73		@CHRDRL	18	5020.1733	4803.5097	SS
	90.05		PIT#2	19	5003.2974	4812.4927	SS
	85.47		OS	20	4985.5453	4792.9636	SS
	79.65		OS	21	4956.6201	4779.3134	SS
	81.32		OS	22	4950.6339	4815.9733	SS
	81.67		BMNL14OK	23	4942.1787	4829.9806	SS
	83.19		OS	24	4941.7338	4876.3879	SS
	87.17		TS	25	4950.8985	4887.8377	SS
	88.71		BMNL12P	26	5000.1321	4790.5251	SS
	86.74		OS	27	5000.6524	4763.7899	SS
	88.65		OS	28	5023.2209	4744.2144	SS
	90.45		OS	29	5051.8934	4723.2778	SS
	92.95		GND	30	5098.1867	4720.5810	SS
	95.81		BMNL10OK	31	5107.6307	4784.3324	SS
	96.25		VENT	32	5090.7753	4799.8826	SS
	95.62		EDGWDS	33	5068.1354	4802.2168	SS
	93.35		EDGWDS	34	5045.3687	4809.7976	SS
	96.60		SWINGSET	35	5091.9584	4815.2576	SS
	96.33		SWINGSET	36	5076.7523	4806.4068	SS
	100.00		RRSPK2.1	37	5125.7359	4829.2546	SS
	98.46		GND?	38	5127.1448	4865.3755	SS
	95.98		IPINBENT	39	5354.7994	4924.8863	SS
	96.62		IPINBENT	40	5000.0000	5000.0000	SS
	98.40		CLDREP	41	5032.5925	4997.8284	SS
	100.28		CLDREP	42	5111.3475	4969.6072	SS
	97.74		CLDRINT	43	5073.0056	4919.7908	SS
	98.00		CORHSE	44	5088.1051	4871.9814	SS
	97.55		CORHSE	45	5065.5145	4881.2448	SS
	97.83		CORHSE	46	5053.3916	4890.8813	SS

JOB #14 462JUBB [127]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
-----	-----	01-06-2024	-----	17:14:42	-----	-----	D:... \BMHOME2
		97.13	CORHSE	47	5016.1963	4906.6745	SS
		98.56	TOPWELL	48	5019.2519	4921.5344	SS
		96.50	GND****	49	4992.9068	4934.8513	SS
		101.08	CORCATV	50	5172.6288	4954.7828	SS
				90	5000.0000	5000.0000	
				91	4773.5711	4665.3563	TRA
				92	4868.0292	4623.0977	TRA
				93	4994.9880	4556.3408	TRA
				94	5179.1341	4948.7076	TRA
				95	5177.7843	5282.4449	INT
				96	5355.2378	4924.7931	TRA

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2013113418 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2013113418

P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095 APPROVAL NO.

OWNER: JAMES/MARGARET JUBB
22 GOSS RD
NORTH HAMPTON NH 03862

Map No./Lot No.: 23476
Subd. Appvl. No.: PINE HILL
Subd. Name: 2880
County: ROCKINGHAM
Registry Book No.: 2883
Registry Page No.:
Probate Docket No.:
(If Applicable)

COPY SENT TO: BUILDING INSPECTOR
233 ATLANTIC AVE
NORTH HAMPTON NH 03862

Town/City Location: 22 GOSS ROAD

BY APPLICANT: PERMIT NO. 00348

STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Street Location:

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)
It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES
IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WQ 1003.22.

Approved this date:

Date amended:

By:

N.H. Department of Environmental Services Staff

Amended by:

(OVER)

REVISED 8/01

201302087

APPLICANT'S

CA2013113418

REVIEWED AND APPROVED

IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES

TEST DATA

WATER DIVISION

Signed: *Eric J Thomas*
Date: 6-18-13

N/A

PERC RATE:

ESTIMATED 10 MIN/IN @ DEPTH: 24"

JUN 13 2013

ADVISE YOUR CONTRACTOR OF REQUIRED DESIGN CHANGES: PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

EXISTING 4 BEDROOM HOUSE
100-150 SF DISPERSAL FIELD
REQUIRED PER AOS SPECS

AREA PROPOSED:

10'X30' = 300 SF DISPERSAL FIELD
PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

PREVIOUS CONSTRUCTION APPROVAL #188686
EXISTING FAILED SYSTEM

LOCUS:

22 GOSS ROAD

NORTH HAMPTON, NH

TAX MAP 15 LOT 32-18

OWNER:

JAMES & MARGARET JUBB

22 GOSS ROAD

NORTH HAMPTON, NH 03862

NEW HAMPSHIRE
Designer
of

Subsurface Disposal
Systems

Anne W. Bialobrzewski
No. 348

Department of Environmental Services

APPLICANT:

STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306

DATE: 06/07/13

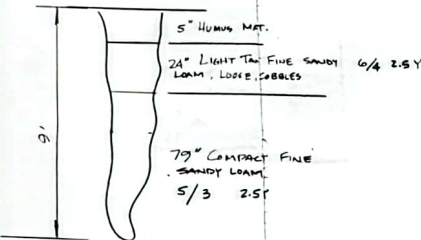
APPROVAL:

462

17 JUN 13
APPROVED
Town of North Hampton
Septic System Examiner
Walter

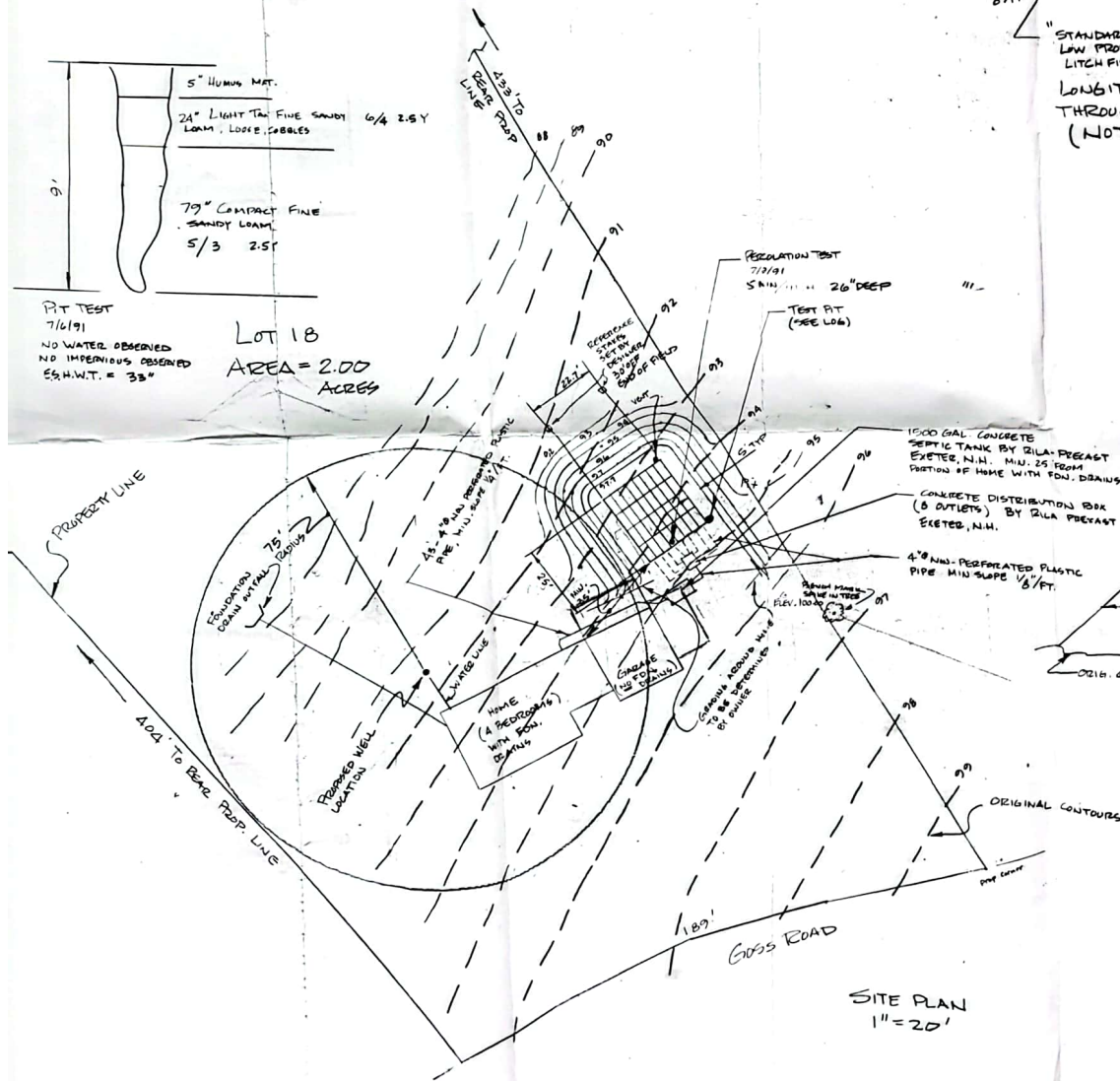
NOTICE to the installer or owner.
The Town of North Hampton requires this system to have a bed bottom (basal area) inspection. Contact the Building Inspector 24 hours prior to inspection at 964-8650.

RECEIVED
JUN 18 2013
NHDES
LAND RESOURCES MANAGEMENT

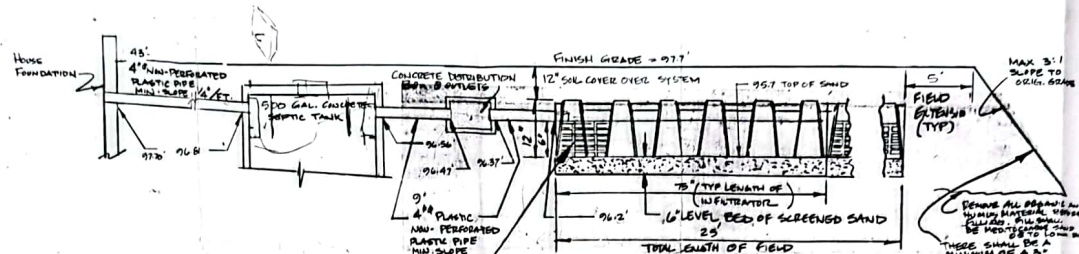


PT TEST
7/6/91
NO WATER OBSERVED
NO INTERFUSION OBSERVED
EGH.W.T. = 33"

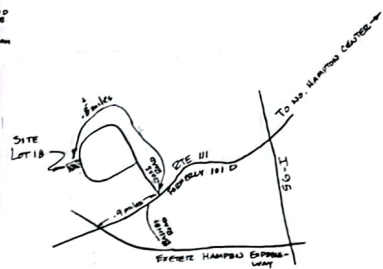
LOT 18
AREA = 2.00
ACRES



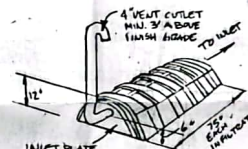
SITE PLAN
1" = 20'



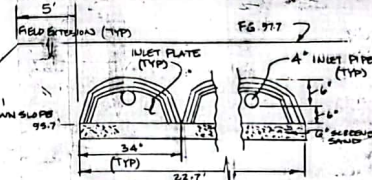
STANDARD INFILTRATOR
LOW PROFILE BY ECO-TEC INCT
LITCH FIELD, MAINE
LONGITUDINAL SECTION
THROUGH FIELD
(NOT TO SCALE)



LOCATION PLAN
(NOT TO SCALE)



VENT DETAIL
(NOT TO SCALE)



TRANSVERSE SECTION
THROUGH FIELD (NOT TO SCALE)

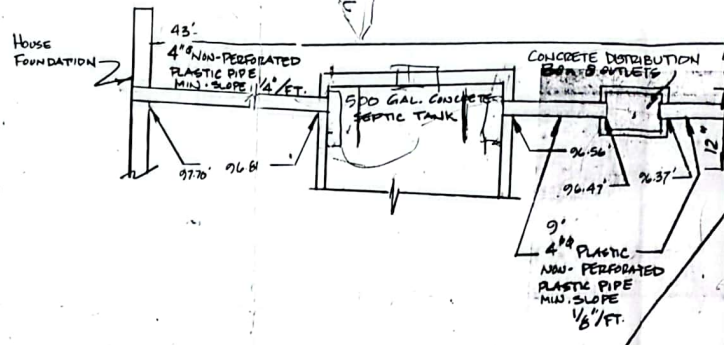
NOTES:

1. NO. OF BEDROOMS = 4
2. PERCOLATION RATE = 5 MIN./INCH
3. FIELD REQUIRED = 700 SF X 6' = 540 SF
4. FIELD PROVIDED = 707.28 = 547.5 SF
5. NO SURFACE WATER, WELL, OR EXISTING HOME WITHIN 75' OF SYSTEM
6. FIELD WOULD BE RESULT IN SAME LOCATION SHOULD FAILURE OCCUR.
7. DESIGN INTENT: TOP OF SCREENED SAND TO BE 12" ABOVE NATURAL GROUND AT HIGH CORNER OF FIELD.
8. SOIL TYPE: GH GLOUCESTER STUDY SANDY LOAM, SHEET 36 ROCKINGHAM CO. GAL SURVEY
9. DESIGNED BY: RICHMOND LICENSE #300
10. ALL PIPE CONNECTIONS TO SEPTIC TANK AND DISTRIBUTION BOX SHALL BE SEALED WITH NON-SHEDDING GROUT.
11. SUBDIVISION APPROVAL NO. 23476
12. NO HYDRIC 'A' SOILS WITHIN 75' OF SYSTEM
NO HYDRIC 'B' SOILS WITHIN 50' OF SYSTEM

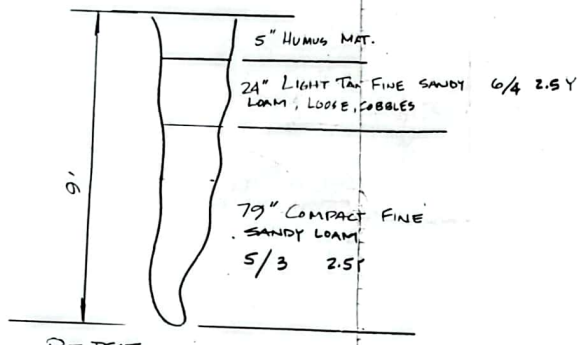


SUBSURFACE SYSTEM DESIGN
FOR
JAMES JUBB
LOT 18 FINE HILL SUBDIVISION
NORTH HAMPTON, N.H.

BY	SCALE	DATE	REV.
Jm	AS NOTED	8/5/91	8/23/91

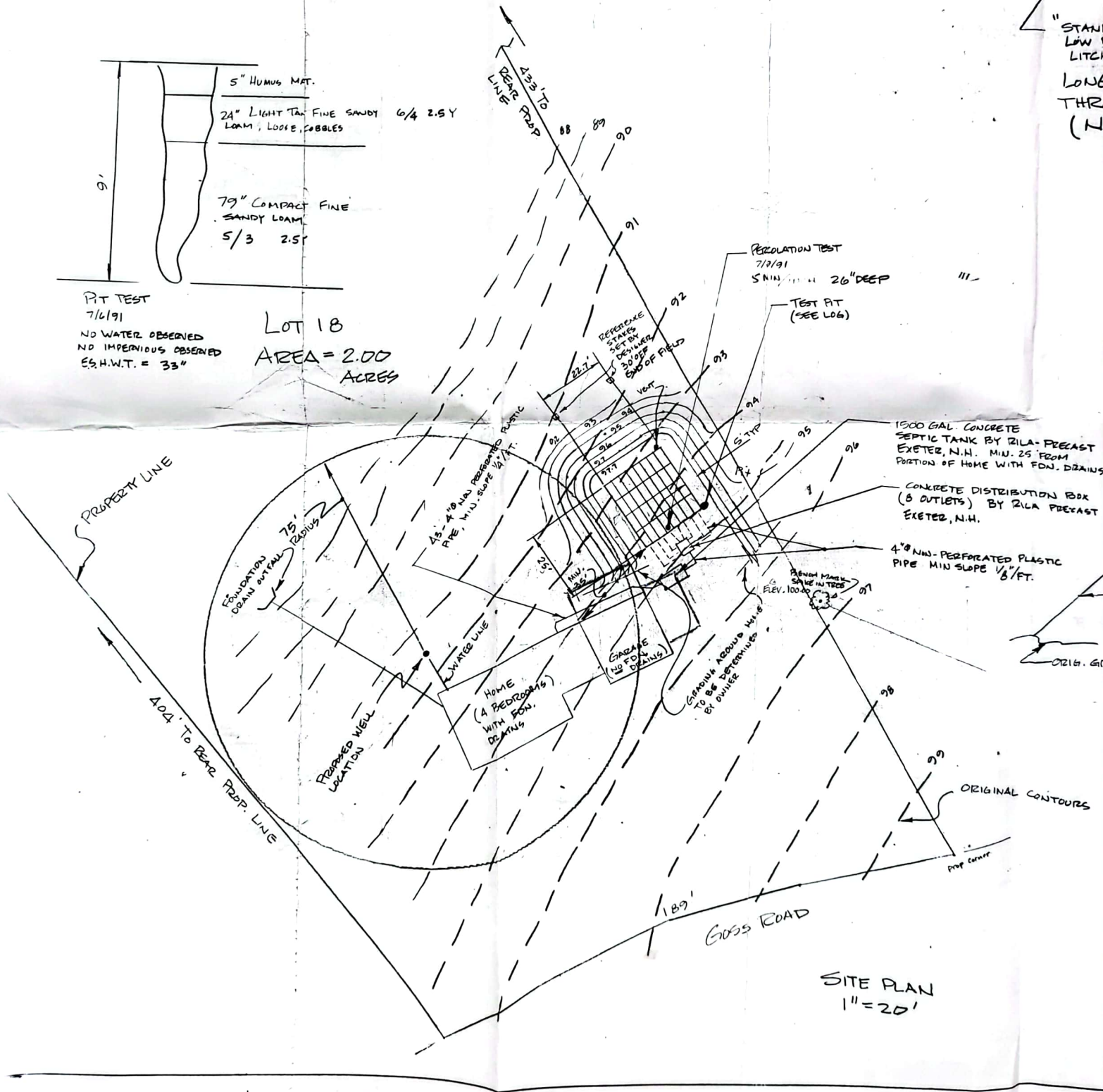


"STAND LOW LITCH LONG THREE (N

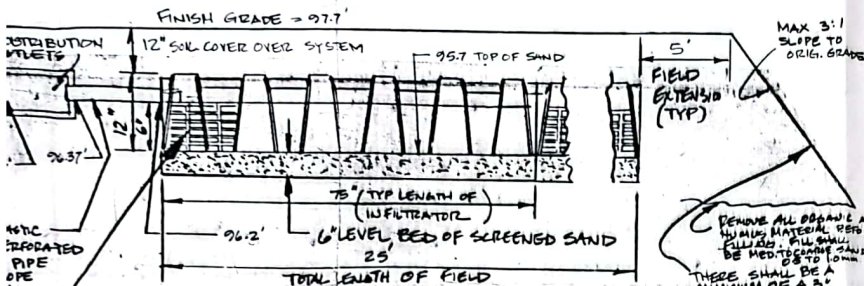


PT TEST
7/6/91
NO WATER OBSERVED
NO IMPERVIOUS OBSERVED
ES.H.W.T. = 33"

LOT 18
AREA = 2.00
ACRES

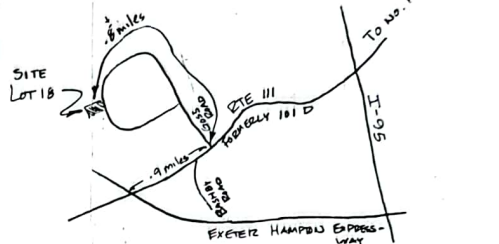


SITE PLAN
1" = 20'



REMOVE ALL ORGANIC AND MINERAL MATERIAL BEFORE FILLING. FILL SHALL BE MED. TECH. SAND 8" TO 10" DIA. THERE SHALL BE A MINIMUM OF A 3" LAYER OF LOAM SUITABLE FOR SEEDING AND PROPER STABILIZATION OVER ALL 3:1 SIDE SLOPES

"STANDARD INFILTRATOR LOW PROFILE BY ECO-TEC INC. LITCH FIELD, MAINE
LONGITUDINAL SECTION THROUGH FIELD (NOT TO SCALE)



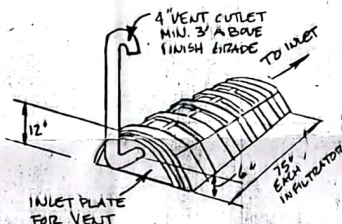
LOCATION PLAN (NOT TO SCALE)

INSIDE VIEW OF SPLASH BLOCK AND INLET PLATE



8"x16" PATIO BLOCK TO BE USED FOR SPLASH BLOCK

INSIDE VIEW OF END PLATE



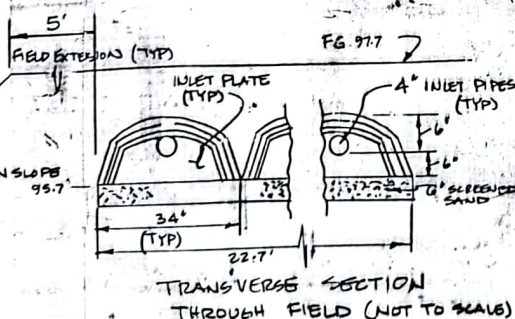
VENT DETAIL (NOT TO SCALE)



CONCRETE BY RILA PRECAST MIN. 25 ROOM WITH 10% DRAINS

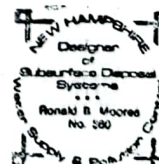
DISTRIBUTION BOX BY RILA PRECAST

GLASS PLASTIC 1/8" FT.



NOTES:

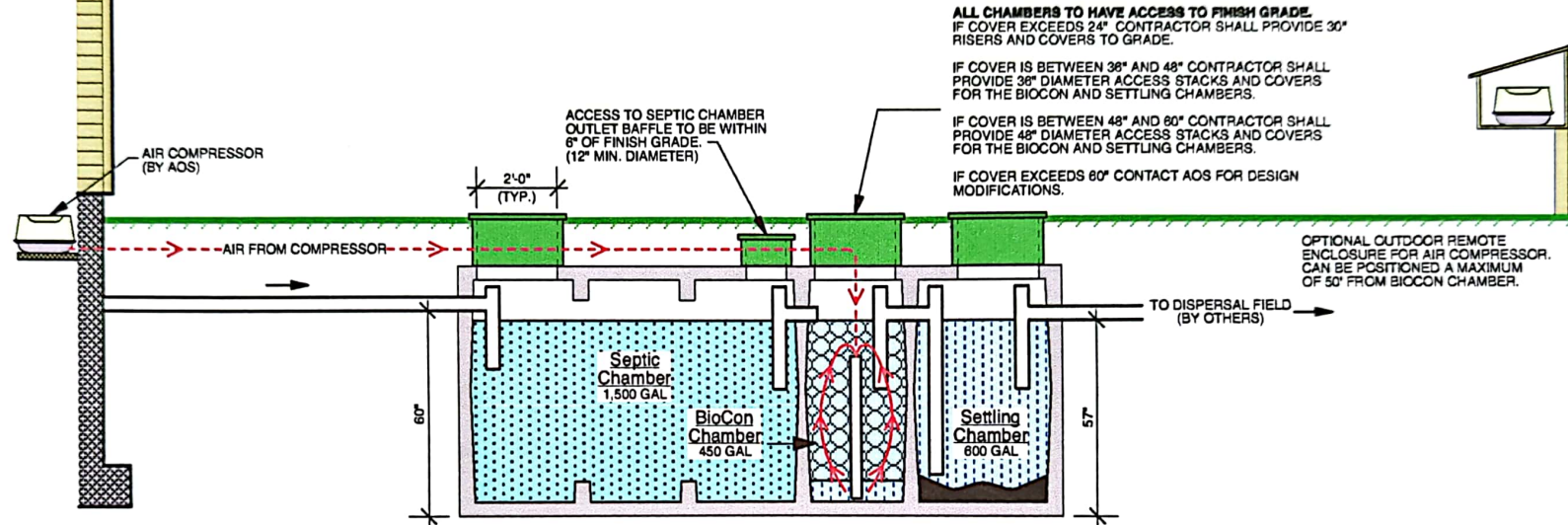
1. NO. OF BEDROOMS = 4
2. PERCOLATION RATE = 5 MIN./INCH
3. FIELD REQUIRED = 900 SF X 1.6 = 540 SF
4. FIELD PROVIDED = 22.7' X 25' = 567.5 SF.
5. NO SURFACE WATER, WELL, OR EXISTING HOME WITHIN 75' OF SYSTEM
6. FIELD WOULD BE REBUILT IN SAME LOCATION SHOULD FAILURE OCCUR.
7. DESIGN INTENT: TOP OF SCREENED SAND TO BE 1.2' ABOVE NATURAL GROUND AT HIGH CORNER OF FIELD.
8. SOIL TYPE: GL. GLOUCESTER STONEY SANDY LOAM, SHEET 36 ROCKINGHAM CO. SOIL SURVEY.
9. DESIGNED BY: R.B. MOORE LICENSE #360
10. ALL PIPE CONNECTIONS TO SEPTIC TANK AND DISTRIBUTION BOX SHALL BE SEALED WITH NON-SHINK GROUT.
11. SUBDIVISION APPROVAL NO. 23476
12. NO HYDRIC 'A' SOILS WITHIN 75' OF SYSTEM
NO HYDRIC 'B' SOILS WITHIN 50' OF SYSTEM



SUBSURFACE SYSTEM DESIGN FOR
JAMES JUBB
LOT 18 FINE HILL SUBDIVISION
NORTH HAMPTON, N.H.

BY	SCALE	DATE	REV.
Rm	AS NOTED	8/9/91	8/23/91

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM MODEL 250ST-R4 FOR 4-BEDROOM SINGLE FAMILY HOME



Septic/BioCon/Settling Tank

- Provided by AOS -
2,550 GAL 3-Compartment Tank
(15'0"L x 6'6"W x 6'1"H)

NOTES:

1. Septic & Settling Compartments must be pumped every 2 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Plastic risers provided by AOS up to 18". Based on design plans Contractor to provide additional risers to finish grade if cover over tank exceeds 18". See above for depth requirements

Tank from:

Phoenix Precast Products
Concord, NH 03301
1-800-639-2199

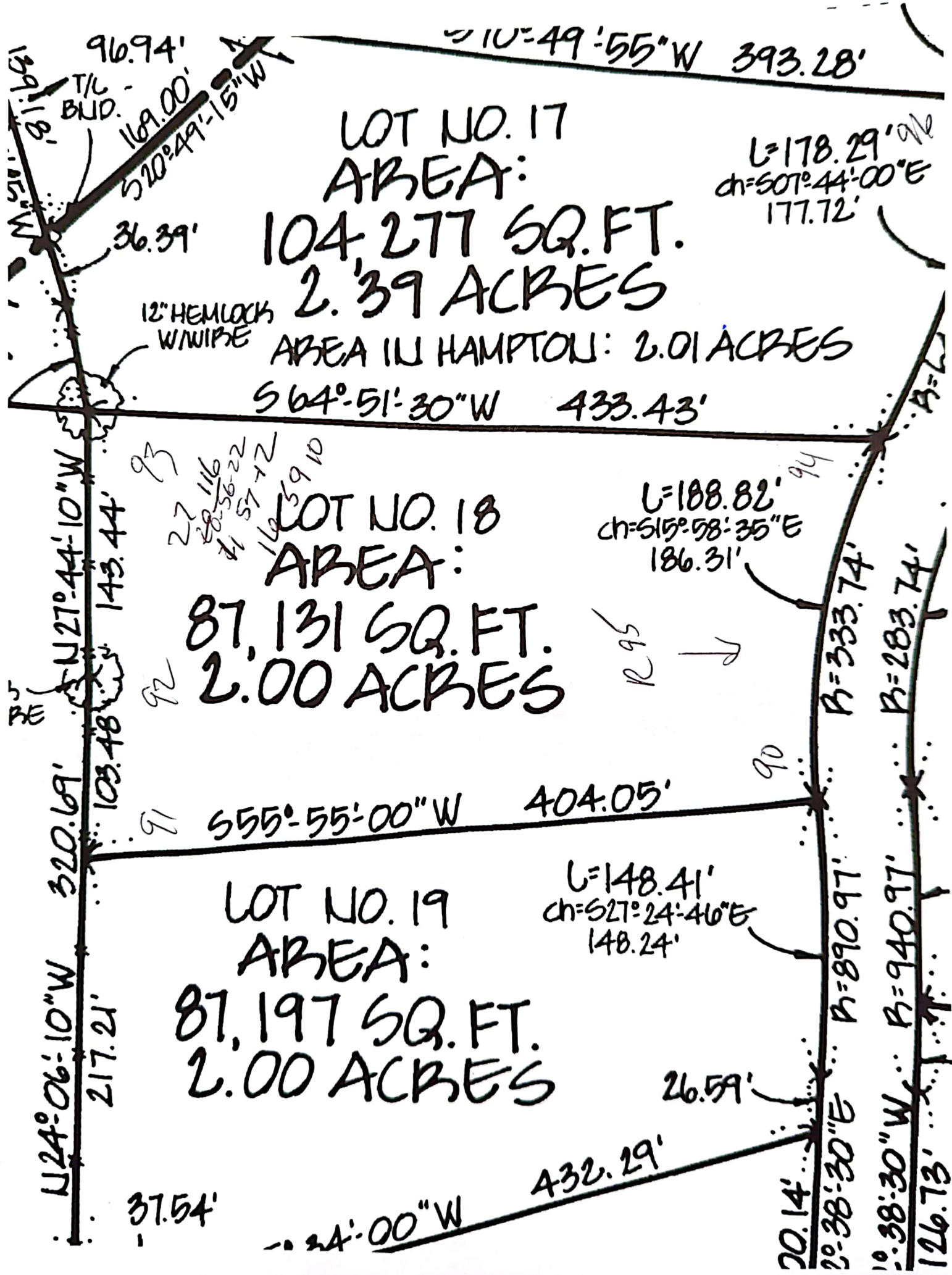
Site: Tax Map 15 Lot No. 32-18
22 Goss Road
North Hampton, NH 03862

Owner: James & Mary Jubb
A22 Goss Road
North Hampton, NH 03862

Date
06-03-2013
Rev.



Advanced Onsite Solutions LLC
innovative wastewater solutions with sustainable results
P.O.Box 248
Canterbury, NH 03224
Phone 603.783.8042



$10^{\circ}49'55''W$ 393.28'

LOT NO. 17
AREA:

104,277 SQ. FT.
2.39 ACRES

$L=178.29'$
 $ch=507^{\circ}44'00''E$
177.72'

AREA IN HAMPTON: 2.01 ACRES

$S64^{\circ}51'30''W$ 433.43'

12" HEMLOCK
W/WIRE

93
27 116
38 56-22
41 57-12
16 39 10

LOT NO. 18
AREA:

87,131 SQ. FT.
2.00 ACRES

$L=188.82'$
 $ch=515^{\circ}58'35''E$
186.31'

$S55^{\circ}55'00''W$ 404.05'

LOT NO. 19
AREA:

87,197 SQ. FT.
2.00 ACRES

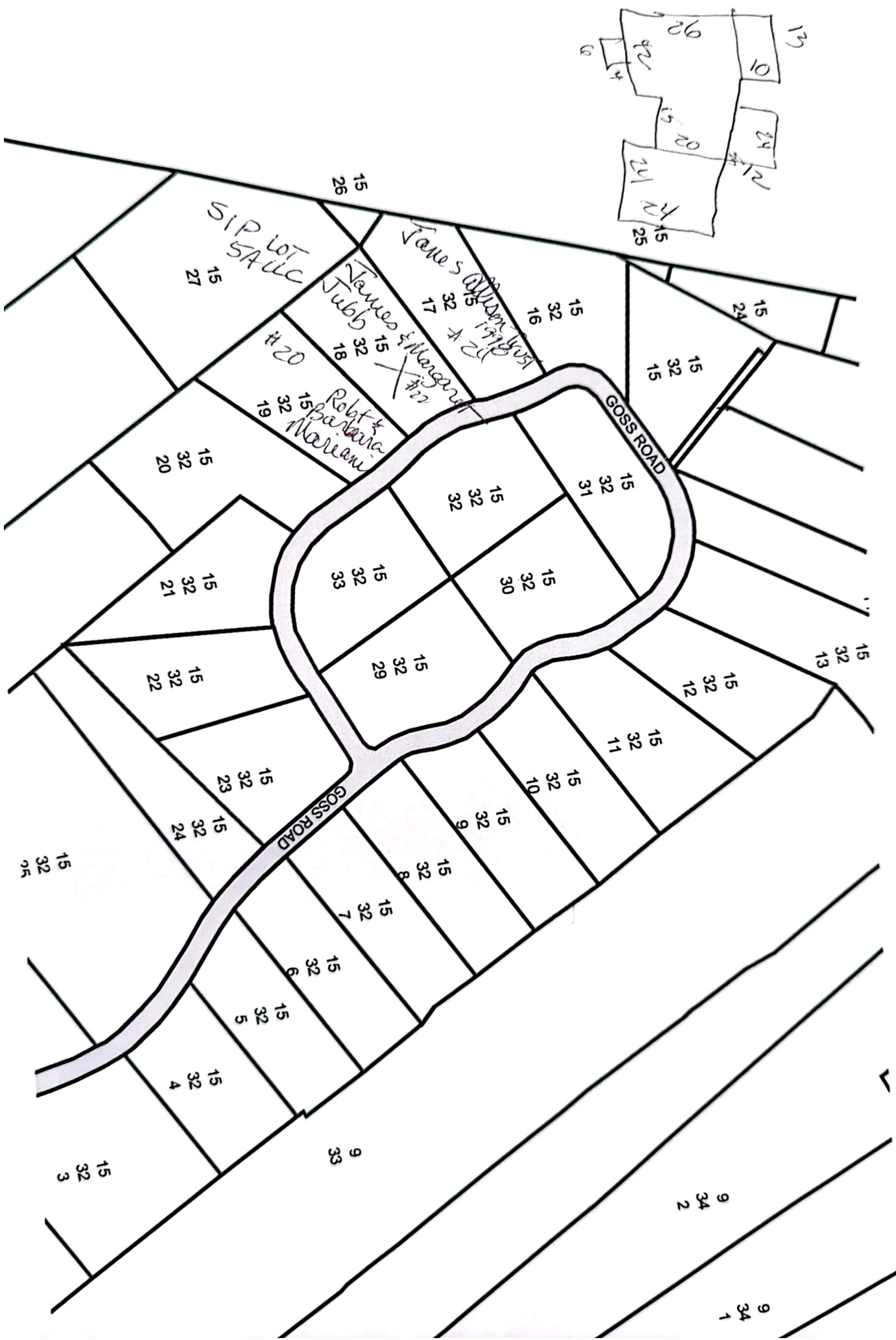
$L=148.41'$
 $ch=527^{\circ}24'46''E$
148.24'

$S4^{\circ}00''W$ 432.29'

37.54'

94
 $B=333.74'$
90
 $B=283.74'$
91
 $B=890.97'$
26.59'
20.14'
 $S38^{\circ}30''E$
 $B=940.97'$
 $S38^{\circ}30''W$
126.73'

139.16'
81.63'
T/C
BLD.
96.94'
169.00'
 $S20^{\circ}49'15''W$
36.39'
143.44'
103.48'
320.69'
 $N27^{\circ}44'10''W$
217.21'
 $N24^{\circ}06'10''W$



KNOW ALL MEN BY THESE PRESENTS. That I, G. Dudley Shepard of / Coach Road, Exeter, County of Rockingham, State of New Hampshire

for consideration paid, grant to James T. Jubb and Margaret D. Jubb of 18 Old Locke Road, North Hampton, County of Rockingham, State of New Hampshire AS
JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP.

with warranty covenants

as joint tenants with rights of survivorship, the following described premises:

A certain tract of land being located on Goss Road, in North Hampton, County of Rockingham and State of New Hampshire and being Lot No. 18 on plan entitled "Subdivision of Land Pine Hill, North Hampton, NH" Scale: 1" = 100', dated: Jan. 8, 1987, by Durgin/Schofield Associates, recorded in the Rockingham County Registry of Deeds as Plan #D-16404, and being further described as follows:

Beginning on the Westerly side of Goss Road and the Southeasterly corner of the within described premises; thence proceeding S 55° 55' 00" W along Lot #19 on Plan herein referred to a distance of 404.05 feet to a point at land now or formerly of Joshua F. Drake; thence turning and proceeding N 24° 06' 10" W along said land of Drake a distance of 103.48 to a 12" Silver Birch with wire; thence continuing N 27° 44' 10" W still along said land of Drake 143.33 feet to a 12" Hemlock with wire at Lot #17; thence turning and proceeding N 64° 51' 30" W along said lot #17 a distance of 433.43 feet to a point at Goss Road; thence turning and proceeding in an arc to a point at Goss Road; thence turning and proceeding in an arc S 15° 58' 35" E along said Goss Road, ~~186.31 feet~~ a distance of 186.31 feet to the point of beginning.

Meaning and intending to convey Lot #18 as shown on the within described plan.

This conveyance is made subject to the covenants conditions, restrictions, terms and other provisions contained in the Declaration of Protective Covenants for Pine Hill Estates Residential Subdivision, North Hampton, New Hampshire.

Meaning and intending to describe and convey the same premises conveyed to G. Dudley Shepard by deed of Landmark Builders, Inc. dated August 24, 1990 and recorded in the Rockingham County Registry of Deeds at Book 2849, Page 1841.

THIS IS NOT HOMESTEAD PROPERTY

and I, said Grantor, release to said Grantee all rights of homestead and other interest therein.

Signed this 16th day of SEPTEMBER, 1991

STATE OF NEW HAMPSHIRE

DEPARTMENT OF REVENUE ADMINISTRATION REAL ESTATE TRANSFER TAX	
09/16/91	\$756.00
XX THOUSAND 7 HUNDRED AND 56 DOLLARS	
CONTROL NUMBER 29480	VOID IF ALTERED

G. Dudley Shepard
G. Dudley Shepard

State of New Hampshire, County of Rockingham

SEPTEMBER 1991

Personally appeared G. Dudley Shepard

known to me, or satisfactorily proven, to be the person

whose name AS

foregoing instrument and acknowledged that

he executed the same for the purposes therein contained.

Before me,

J. C. Oakley

Justice of the Peace - Notary Public

J. C. OAKLEY 24 E Main St 3/5/95



ROCKINGHAM COUNTY
REGISTRY OF DEEDS
Sep 16 11 59 AM '91
0033967



ADVANCED ONSITE SOLUTIONS LLC

PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

June 3, 13

James & Mary Jubb
22 Goss Road
North Hampton, NH 03862

Dear James & Mary Jubb:

Attached the Sales Agreement and the Inspection Agreement for **THE CLEAN SOLUTION™** system. The system has been sized for your existing 4-bedroom single-family homelocated at 22 Goss Road in North Hampton, NH.

The agreements describe **THE CLEAN SOLUTION** system, the required inspections, maintenance, and the cost of the system components.

Attachments:

1. Sales Agreement and Inspection Contract for your records.
2. **Inspection Agreement (2 copies)** - Return one signed copy to your designer. This copy will be sent to NHDES with your subsurface disposal for review. NHDES requires it for their records to show that you have been made aware of the inspection and maintenance.
3. **Sales Agreement** – Please sign and return with the initial payment to AOS three weeks prior to the system being installed. This time is need to order the tank and system components.

When you return the above documentation to AOS please provide us with your installer's name and contact information. Once we have this information AOS will coordinate with your installer on the installation date.

Thank you for choosing **THE CLEAN SOLUTION** alternative septic system. We look forward to working with you. Please call if you would like to discuss the system or the sales agreement.

Sincerely,

Gary R. Spaulding
General Manager, Advanced Onsite Solutions, LLC



ADVANCED ONSITE SOLUTIONS LLC

PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

SALES AGREEMENT

June 3, 2013

BUYER:

Name: James & Mary Jubb
Address: 22 Goss Road
City, State Zip: North Hampton, NH 03862
Phone:
Cell:
Email:

OWNER-IF DIFFERENT:

Name:
Address:
City, State Zip:
Phone:
Cell:
Email:

Please complete all missing information

SITE:

Property ID: Tax Map 15 Lot No. 32-18
Address: 22 Goss Road
City, State Zip: North Hampton, NH 03862

Waterbody: na

Design Flow: 600 gpd
Number of Bedrooms: 4

Designer Information:

Stockton Services
P.O. Box 1306
Hampton, NH 03843-1306

Advanced Onsite Solutions LLC (AOS) will supply **THE CLEAN SOLUTION™** Sewage Treatment System for the above site based on design parameters provided by the designer / owner and subsurface disposal plan(s) submitted to AOS by a licensed designer. Change of use that results in an increase in daily flow or wastewater strength will impact the performance of **THE CLEAN SOLUTION**. The owner(s) or the owner(s) representative(s) is responsible for obtaining all required state and local approvals.

This Sales Agreement is subject to the following conditions:

1. The buyer will provide AOS with copies of the approved plans.
2. The buyer will hire a qualified installer licensed for Subsurface Disposal.
3. This agreement includes a required inspection agreement. Owner understands that failure to perform the required maintenance may result in premature dispersal field failure.

AOS will provide the following:

THE CLEAN SOLUTION system model: **250ST-R4**

Tank Type:**Loading Requirements:****Air Line****Access Risers:****Additional Components:**

☒ Concrete

☒ Standard Duty

☒ 1/2 " dia.

☐ Plastic Risers to 6"

☒ Plastic Risers to 18"

☐ Compressor Shelf

☐ Compressor Alarm

☐ STF-100 pressure filter

☒ Tank Sealing

☐ Plastic

☐ Heavy duty

☐ 3/4 " dia.

☐ Plastic Risers to 12"

☐ Plastic Risers to 24"

☐ Compressor Outdoor Enclosure

☐ Pressure alarm switch

☐ H-20 duty



ADVANCED ONSITE SOLUTIONS LLC

PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

ELECTRICAL REQUIREMENTS:

Owner shall be responsible for hiring a licensed electrician. A 120-volt outlet, non-ground fault interrupted circuit, supplying 5 amps per compressor. Location of the outlet(s) shall be within 50' of **THE CLEAN SOLUTION** system and within 4' of the compressor.

FOLLOWING PROVIDED BY OTHERS:

- Septic tanks if required
- Pump Chamber if required
- Effluent pump, all pump controls and electrical disconnect switch
- Exterior Venting may be required for older homes
- Exterior Venting is required for systems where effluent is pumped to **THE CLEAN SOLUTION** system
- Excavation for installing system components
- Construction of the dispersal field
- Piping to and from **THE CLEAN SOLUTION** system

OWNER HAS THE FOLLOWING UNDERSTANDING:

- Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications.
- The owner's contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of **THE CLEAN SOLUTION** system, are watertight to prevent infiltration from groundwater and surface runoff.
- **THE CLEAN SOLUTION** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. Discharge water from high water use fixtures to be discharged into an approved drywell.
- If the subsurface disposal system requires an effluent pump, the pump chamber shall be inspected annually for sludge buildup and pumped as necessary.

MAINTENANCE SUGGESTIONS:

There is ongoing concern that pharmaceuticals, medical treatments, and personal care products impact how a septic system functions. Studies have shown that these products can disrupt the balance of bacteria in the septic tank, reducing the septic tank's efficiency to break down waste. The following is recommended:

1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system. Check with your local pharmacy to see if it has a program to dispose of unused medicines.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected annually to determine a proper maintenance schedule.

PERFORMANCE SPECIFICATIONS:

THE CLEAN SOLUTION system has been designed based on the following standard residential wastewater influent strength from primary septic tank(s) - BOD₅ of 140-180 mg/l, TSS 100-150 mg/l and FOG <5 mg/l.



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LIMITED WARRANTY

For a period of 5-years from the date of installation, AOS warrants that the components within the BioCon chamber will be free from defects. If a defect exists, AOS will repair or replace the defective components at no cost to the owner. This limited warranty does not cover the cost of pumping the system to make necessary repairs, or the cost for excavation to replace or make repairs, or replacement of landscaping features. This limited warranty does not cover failure of the dispersal field(s). AOS does not warranty THE CLEAN SOLUTION system or components installed by others.

For compressors that have been maintained and used under normal operating conditions, AOS will extend the compressor manufacturer's warranty from one year to two years. Labor to replace compressors will be billed out at AOS standard hourly rates.

EXCLUSIONS AND LIMITATIONS

This limited warranty for pump chamber components (pump, floats, alarms, etc) if supplied by AOS is limited to the manufacturer's terms and conditions. Labor to replace effluent pump/floats/alarms will be billed out at AOS standard hourly rates.

It is the owner's responsibility to ensure that inspections are performed by AOS or an AOS-approved vendor. Failure to perform a timely inspection, or to perform the required maintenance, maintain records of pumping or to notify AOS of any problems will void this limited warranty. This limited warranty does not cover damage caused by improper use by the occupants, poor construction or design practices, high groundwater, flooding, or acts of God.

Owner shall defend, indemnify, and hold harmless AOS and its employees and subcontractors, from and against any and all claims, demands, causes of action, damages, liabilities, losses, and expenses arising from the project and/or the contract to the extent caused by the fault of Owner and/or its consultants, design professionals, or agents.

THIS LIMITED WARRANTY IS IN LIEU OF AND SUPERSEDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

AOS SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, NOR SHALL AOS LIABILITY UNDER THIS WARRANTY EXCEED THE AMOUNT PAID TO AOS FOR *THE CLEAN SOLUTION SYSTEM*.



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Sales Agreement

The agreed upon price for THE CLEAN SOLUTION system is:	\$ 8,000.00
State Sales Tax if applicable: (VT, ME, MA):	-
Additional Components: Tank Sealing	\$ 300.00
Delivery	-
Total Due:	\$ 8,300.00
Payment schedule is as follows:	
FIRST PAYMENT upon signing this agreement	\$ 4,150.00
FINAL PAYMENT payable on the day of installation	\$ 4,150.00

If the AOS technician has to return to complete the scheduled installation because the site is not properly prepared, Buyer agrees to pay AOS \$80.00/man hour for subsequent visit(s).

Failure to pay in full will void all warranties. Buyer agrees to pay all costs and expenses incurred by AOS, including all attorney fees, and all collection charges (including a percentage of the outstanding balance of this Contract) should the account be referred to a collection agency.

THIS SALES AGREEMENT IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEM COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT. FAILURE TO INSTALL THE SYSTEM COMPONENTS WITHIN 60 DAYS MAY RESULT IN ADDITIONAL CHARGES.

Please send payment to:
ADVANCED ONSITE SOLUTIONS LLC
P.O. BOX 248
CANTERBURY, NH 03224

If Paying by Credit Card please call:
AOS Accounting Department
603-783-8042

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached INSPECTION AGREEMENT and agrees to the terms of the SALES AND INSPECTION AGREEMENTS and to perform the necessary inspections and maintenance outlined in the INSPECTION AGREEMENT.

ACCEPTED BY:

DATE:

Name: James & Mary Jubb
Address: 22 Goss Road
City, State Zip: North Hampton, NH 03862
Phone:
Cell:
Email:

PLEASE PROVIDE ALL INFORMATION REQUESTED ABOVE



ADVANCED ONSITE SOLUTIONS LLC

PO Box 248
Canterbury, NH 03224
(603)-783-8042
Toll Free: (866) 900-2415

RESIDENTIAL NEW HAMPSHIRE INSPECTION AGREEMENT June 3, 2013

OWNER:

Name: James & Mary Jubb
Address: 22 Goss Road
City, State Zip: North Hampton, NH 03862
Phone:
Cell:
Email:

Please complete all missing information

SITE:

Property ID: Tax Map xxx Lot No.
Address: xxxx
City, State, Zip: xxxx

Waterbody: (name)

Property Type:

Residential Single Family: (yes/no)
Residential Seasonal: (yes/no)

The following inspection and maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☒ **Residential Use (Single Family Home)**

1. If the Individual Subsurface Disposal System (ISDS) is a gravity system, **THE CLEAN SOLUTION** system shall be inspected every 2 years by a certified AOS Technician.
2. If the ISDS utilizes the settling chamber as a pump chamber, AOS requires that a certified AOS Technician inspect **THE CLEAN SOLUTION** system annually.
3. After the inspection, you may need to contact your septic pumper to pump out the septic and settling/pump tanks. Maximum time between pumping should not exceed 2 years. More frequent pumping may be required depending on system use and number of occupants. Owner must retain records of pumping.
4. Compressor must run continuously. It should be checked for operation at least once a month unless a compressor alarm has been installed. Compressor Air Filter to be cleaned or replaced yearly. If the Compressor is located in a dusty environment the filter will need to be cleaned more frequently.
5. An AOS Technician will determine when the BioCon™ chamber will need pumping. Typical residential use requires BioCon Chamber to be pumped and cleaned every 5 to 7 years.
6. Compressor may be disconnected for seasonal homes that have been winterized.



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Additional Maintenance Suggestions:

There is ongoing concern that pharmaceuticals, medical treatments, and personal care products impact how a septic system functions. Studies have shown that these products can disrupt the balance of bacteria in the septic tank, reducing the septic tank's efficiency to break down waste.

The following is recommended:

1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system. Check with your local pharmacy to see if it has a program to dispose of unused medicines.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected annually to determine the proper maintenance schedule.

This Inspection service includes the following: Inspection Report, Replacing Compressor Filter, replacement of failed system components within the BioCon and Settling Chambers that are covered under warranty provided by AOS. The cost of pumping out the tank(s) to perform the necessary repairs or components required to make repairs is not included in the inspection fee.

The inspection fee does not cover routine maintenance of the BioCon Chamber (pumping and cleaning)

Failure to have an inspection agreement with AOS or an approved vendor will void warranty outlined in the **Sales Agreement provided by AOS. AOS does not warranty THE CLEAN SOLUTION systems or system components that have been installed by others.**

INSPECTION FEE SCHEDULE

Single Family Residential Homes – The current fee is \$200.00 per inspection plus the cost of replacement parts not covered by warranty.

AOS may adjust the Inspection fees as needed to cover increase in cost of service and goods (i.e. Fuel).

Inspection fees are payable at time of service.

By signing below, the owner or owner's representative warrants that s/he has read and agrees to the terms of the SALES and INSPECTION AGREEMENTS, and agrees to perform the necessary inspections and maintenance outlined.

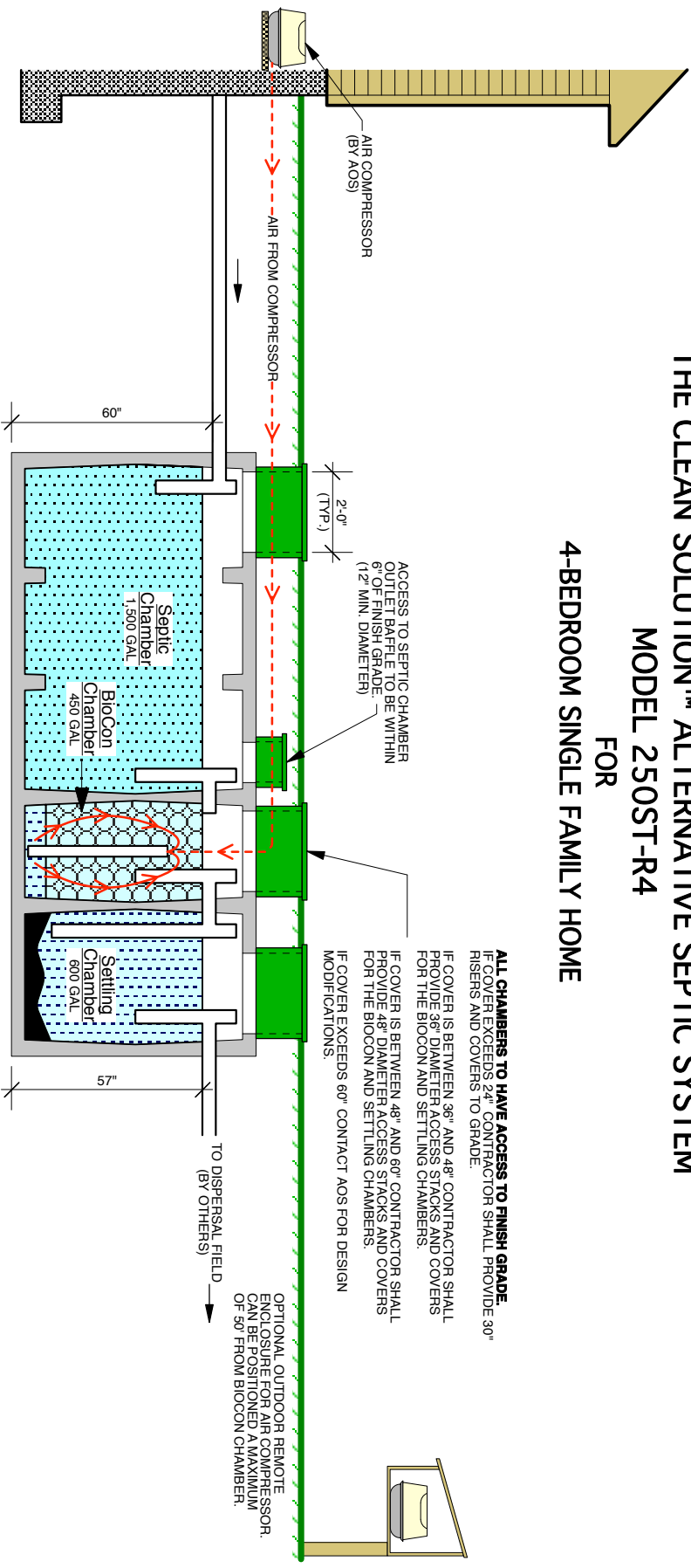
ACCEPTED BY:

DATE:

Name: James & Mary Jubb
Address: 22 Goss Road
City, State Zip: North Hampton, NH 03862
Phone:
Cell:
Email:

PLEASE PROVIDE ALL INFORMATION REQUESTED ABOVE

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM MODEL 250ST-R4 FOR 4-BEDROOM SINGLE FAMILY HOME




Septic/BioCon/Settling Tank
- Provided by AOS -
2,550 GAL 3-Compartment Tank
(15'0" L x 6'6" W x 6'1" H)

NOTES:

1. Septic & Settling Compartments must be pumped every 2 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Plastic risers provided by AOS up to 18". Based on design plans Contractor to provide additional risers to finish grade if cover over tank exceeds 18". See above for depth requirements

Tank from:
Phoenix Precast Products
Concord, NH 03301
1-800-639-2199

Site: Tax Map 15 Lot No. 32-18 22 Goss Road North Hampton, NH 03862		Owner: James & Mary Jubb A22 Goss Road North Hampton, NH 03862	
Date	06-03-2013	 Advanced Onsite Solutions LLC <i>Innovative wastewater solutions with sustainable results</i> P.O. Box 248 Canterbury, NH 03224 Phone 603.783.8042	
Rev.			



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THEORY of *THE CLEAN SOLUTION*TM

Conventional decentralized septic systems whether used for individual homes, commercial applications or a community septic system a septic tank(s) are used to first provide anaerobic (without air) treatment of the waste which is then followed by a leach field to provide aerobic (with air) treatment of the effluent.

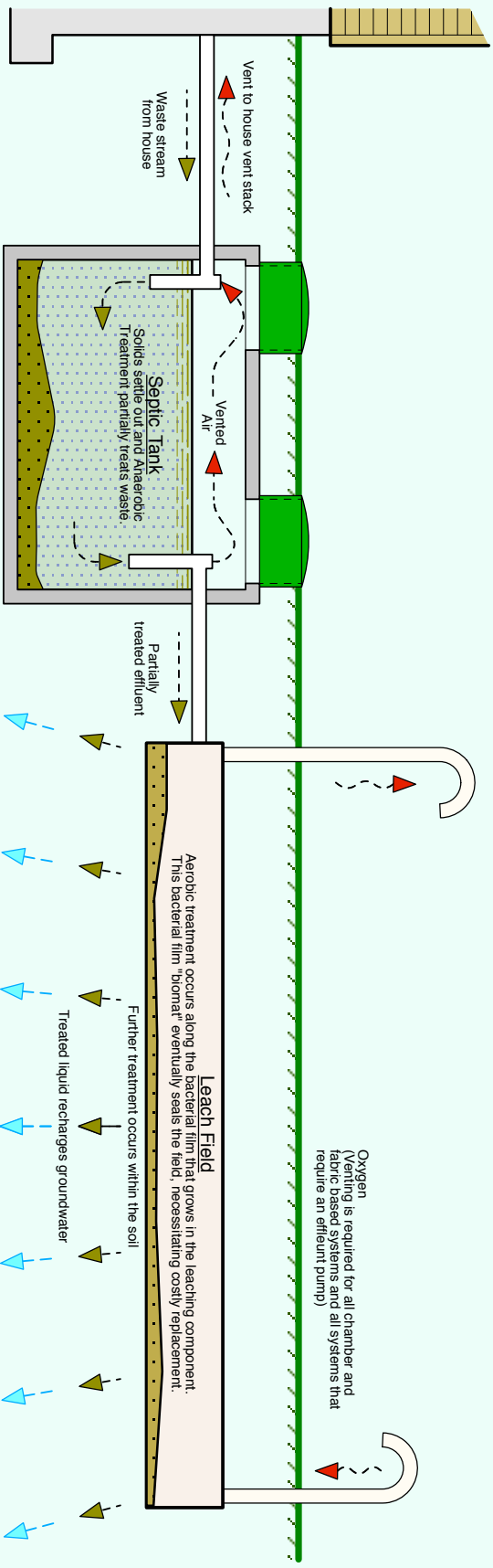
Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater, use different equipment to accomplish the same biological functions as a septic system: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

Every aerobic treatment system, whether a conventional leach field, municipal treatment plant, or ***THE CLEAN SOLUTION***, depends on bacteria to treat the effluent from a solids settling system. In order for the bacteria to reproduce, they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air, the bacteria metabolize the dissolved solids to carbon dioxide, water, and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In ***THE CLEAN SOLUTION*** the bacteria collect in a thin film on the plastic media in the BioCon chamber, and the effluent circulates through the plastic media.

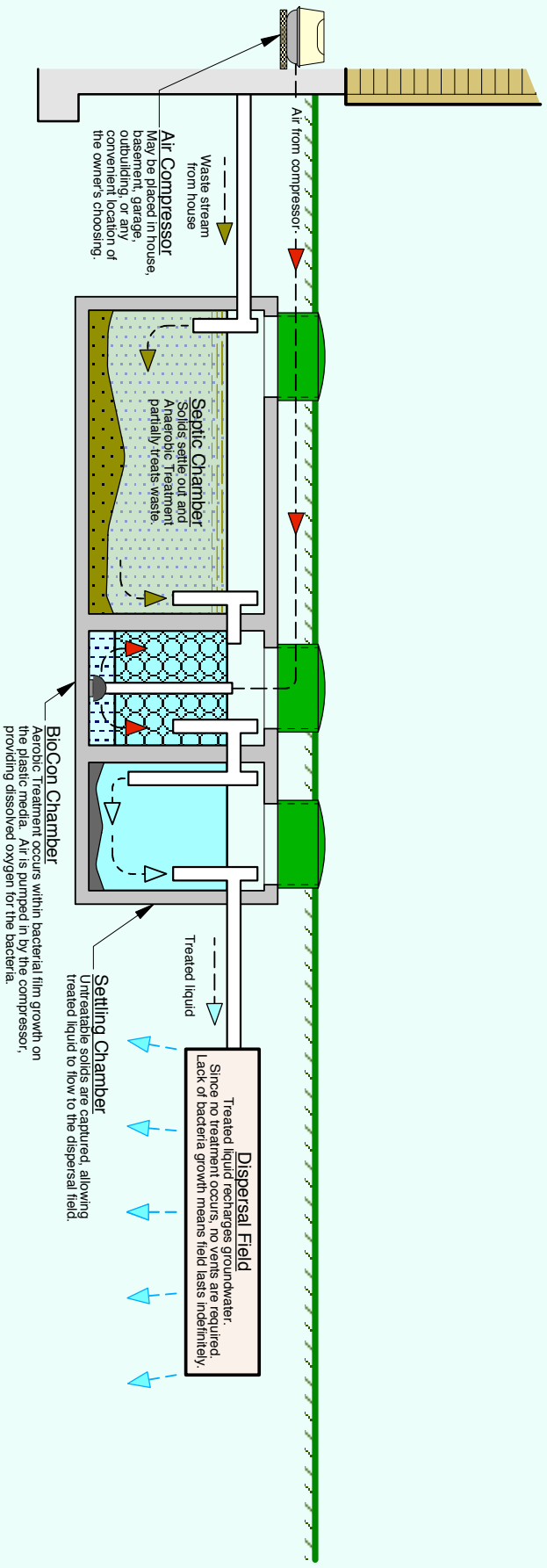
THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant, utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water, and sludge. In addition, the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and ***THE CLEAN SOLUTION*** is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In ***THE CLEAN SOLUTION*** system the sludge is formed in the BioCon chamber, resulting in treated, clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no further treatment required to reduce BOD and TSS.



CONVENTIONAL LEACH FIELD SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.



THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.



Advanced Onsite Solutions LLC
Innovative wastewater solutions with sustainable results
 P.O. Box 248
 Canterbury, NH 03224
 Phone 603.783.8042
www.thecleansolution.com